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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/667,720	09/12/2000	William J. Ryan	1711.0040004/RWE	9377

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EXAMINER

NILAND, PATRICK DENNIS

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1714

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Please find below and/or attached an Office communication concerning this application or proceeding.

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

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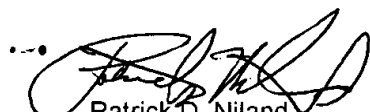
A reference relevant to the examination of this application may soon become available. *Ex parte* prosecution is SUSPENDED FOR A PERIOD OF 6 MONTHS from the date of this letter. Upon expiration of the period of suspension, applicant should make an inquiry as to the status of the application.

The copending application 09/867983 has been allowed and is at patent publications. It is therefore unavailable to the examiner by the date that an office action is due. From US Patent Application Publication US 2001/0035406, it appears that the two applications claim the same or similar subject matter such that the allowed application must be considered regarding double patenting or obviousness type double patenting.

3. Any inquiry concerning this communication should be directed to Patrick D. Niland at telephone number 703-308-3510.

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Primary Examiner
Art Unit 1714

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Patrick D. Niland
Primary Examiner
Art Unit: 1714



US 20010035406A1

(19) **United States**(12) **Patent Application Publication**(10) **Pub. No.: US 2001/0035406 A1****Ryan et al.**(43) **Pub. Date:****Nov. 1, 2001**(54) **APPARATUS FOR RF ACTIVE COMPOSITIONS USED IN ADHESION, BONDING, AND COATING**

filed on Mar. 17, 1999, now abandoned. Non-provisional of provisional application No. 60/078,282, filed on Mar. 17, 1998.

(75) **Inventors:** William J. Ryan, Avon, NY (US);
Jonathan M. Gorbald, Pittsford, NY (US); Gary C. Adishlan, Scottsville, NY (US)**Publication Classification**(51) **Int. Cl.⁷** H05B 6/06
(52) **U.S. Cl.** 219/634; 219/660**Correspondence Address:****STERNE, KESSLER, GOLDSTEIN & FOX PLLC**
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, DC 20005-3934 (US)(73) **Assignee:** Ameritherm, Inc.(21) **Appl. No.:** 09/867,983(22) **Filed:** May 31, 2001**Related U.S. Application Data**

(60) Division of application No. 09/482,553, filed on Jan. 13, 2000. Continuation-in-part of application No. 09/404,200, filed on Sep. 23, 1999, now abandoned. Continuation-in-part of application No. 09/270,505,

(57) **ABSTRACT**

A susceptor composition that can bond two or more layers or substrates to one another and that can be used to coat or cut a substrate. The susceptor composition is activated in the presence of radio frequency (RF) energy. In one embodiment, the susceptor composition of the present invention comprises a susceptor and a carrier. The carrier and susceptor are blended with one another and form a mixture, preferably a uniform mixture. The susceptor is present in an amount effective to allow the susceptor composition to be heated by RF energy. In a preferred embodiment, the susceptor also functions as an adhesive. The susceptor is an ionic or polar compound and acts as either a charge-carrying or an oscillating/vibrating component of the susceptor composition. The susceptor generates thermal energy in the presence of an RF electromagnetic or electrical field (hereafter RF field).

